## **Refine Search**

## Search Results -

Term	Documents
(7 AND 1).PGPB,USPT,DWPI.	1
(L1 AND L7 ).PGPB,USPT,DWPI.	

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

L8

Refine Search

Refine Search

## **Search History**

DATE: Friday, February 13, 2004 Printable Copy Create Case

Set Name side by side	Query	<u>Hit</u> Count	Set Name result set
DB=B	PGPB,USPT,DWPI; PLUR=YES; OP=ADJ		
<u>L8</u>	L1 AND L7	1	<u>L8</u>
L7	L3 AND L4 AND L5 AND L6	17	<u>L7</u>
<u>L6</u>	COATING SAME (POLYVINYL CHLORIDE OR POLY VINYL CHLORIDE OR POLYURETHANE)	51756	<u>L6</u>
<u>L5</u>	((NYLON 6 OR NYLON 66 OR (NYLON 6 OR NYLON 66) OR BLENDS))	228862	<u>L5</u>
L4	POINTBONDED OR POINT BONDED OR POINT-BONDED	1015	<u>L4</u>
<u>L3</u>	NONWOVEN OR NON-WOVEN OR UNWOVEN OR UN-WOVEN	101499	<u>L3</u>
L2	BASE SAME FABRIC	35244	<u>L2</u>
<u>L1</u>	(FOOTWEAR OR FOOT WEAR OR FOOT-WEAR) SAME UPPER	3743	<u>L1</u>

END OF SEARCH HISTORY

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                 CA/CAplus records now contain indexing from 1907 to the
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        SEP 09
                 present
                INPADOC: Legal Status data reloaded
        DEC 08
NEWS 4
        SEP 29 DISSABS now available on STN
NEWS 5
NEWS 6 OCT 10 PCTFULL: Two new display fields added
NEWS 7 OCT 21 BIOSIS file reloaded and enhanced
NEWS 8 OCT 28 BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS 9 NOV 24 MSDS-CCOHS file reloaded
NEWS 10 DEC 08 CABA reloaded with left truncation
                 IMS file names changed
        DEC 08
NEWS 11
                 Experimental property data collected by CAS now available
        DEC 09
NEWS 12
                 in REGISTRY
                 STN Entry Date available for display in REGISTRY and CA/CAplus
NEWS 13
        DEC 09
                 DGENE: Two new display fields added
        DEC 17
NEWS 14
                 BIOTECHNO no longer updated
        DEC 18
NEWS 15
                 CROPU no longer updated; subscriber discount no longer
        DEC 19
NEWS 16
                 available
                 Additional INPI reactions and pre-1907 documents added to CAS
        DEC 22
NEWS 17
                 IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
        DEC 22
NEWS 18
        DEC 22
                 ABI-INFORM now available on STN
NEWS 19
                 Source of Registration (SR) information in REGISTRY updated
        JAN 27
NEWS 20
                 and searchable
                 A new search aid, the Company Name Thesaurus, available in
NEWS 21
         JAN 27
                 CA/CAplus
                 German (DE) application and patent publication number format
NEWS 22
         FEB 05
                 changes
              DECEMBER 28 CURRENT WINDOWS VERSION IS V7.00, CURRENT
NEWS EXPRESS
              MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
              AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
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## FILE 'HOME' ENTERED AT 08:52:50 ON 13 FEB 2004

=> S (footwear or foot-wear or foot wear) (1) upper THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

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FULL ESTIMATED COST

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=> s (footwear or foot wear or foot-wear)(1)upper

2507 FOOTWEAR

2 FOOTWEARS

2508 FOOTWEAR

(FOOTWEAR OR FOOTWEARS)

15736 FOOT

502 FOOTS

3964 FEET

3 FEETS

19620 FOOT

(FOOT OR FOOTS OR FEET OR FEETS)

104604 WEAR

1416 WEARS

105594 WEAR

(WEAR OR WEARS)

36 FOOT WEAR

(FOOT (W) WEAR)

15736 FOOT

502 FOOTS

3964 FEET

3 FEETS

19620 FOOT

(FOOT OR FOOTS OR FEET OR FEETS)

104604 WEAR

1416 WEARS

```
105594 WEAR
                  (WEAR OR WEARS)
            36 FOOT-WEAR
                  (FOOT (W) WEAR)
        235258 UPPER
          1177 UPPERS
        235893 UPPER
                  (UPPER OR UPPERS)
           283 (FOOTWEAR OR FOOT WEAR OR FOOT-WEAR) (L) UPPER
LI
=> s nonwoven or non-woven or unwoven or un-woven
         28304 NONWOVEN
          2713 NONWOVENS
         28547 NONWOVEN
                  (NONWOVEN OR NONWOVENS)
        636600 NON
            32 NONS
        636625 NON
                  (NON OR NONS)
         19712 WOVEN
           101 WOVENS
         19788 WOVEN
                  (WOVEN OR WOVENS)
          2302 NON-WOVEN
                  (NON (W) WOVEN)
          1002 UNWOVEN
         50955 UN
          1810 UNS
         52759 UN
                  (UN OR UNS)
         19712 WOVEN
           101 WOVENS
         19788 WOVEN
                  (WOVEN OR WOVENS)
            10 UN-WOVEN
                  (UN(W)WOVEN)
         30840 NONWOVEN OR NON-WOVEN OR UNWOVEN OR UN-WOVEN
T<sub>1</sub>2
=> s coating(1)(polyurethane or polyvinyl chloride or poly vinyl chloride)
        652044 COATING
        329667 COATINGS
        707682 COATING
                  (COATING OR COATINGS)
        104940 POLYURETHANE
         70217 POLYURETHANES
        122641 POLYURETHANE
                  (POLYURETHANE OR POLYURETHANES)
         75164 POLYVINYL
           162 POLYVINYLS
         75280 POLYVINYL
                  (POLYVINYL OR POLYVINYLS)
        977136 CHLORIDE
        148749 CHLORIDES
       1044853 CHLORIDE
                  (CHLORIDE OR CHLORIDES)
         13814 POLYVINYL CHLORIDE
                  (POLYVINYL (W) CHLORIDE)
        598742 POLY
        372919 VINYL
           541 VINYLS
        373069 VINYL
                  (VINYL OR VINYLS)
        977136 CHLORIDE
        148749 CHLORIDES
```

```
(CHLORIDE OR CHLORIDES)
         41268 POLY VINYL CHLORIDE
                 (POLY (W) VINYL (W) CHLORIDE)
        32855 COATING(L) (POLYURETHANE OR POLYVINYL CHLORIDE OR POLY VINYL
L3
              CHLORIDE)
=> s laminate
        79806 LAMINATE
         59081 LAMINATES
         98421 LAMINATE
L4
                 (LAMINATE OR LAMINATES)
=> d his
     (FILE 'HOME' ENTERED AT 08:52:50 ON 13 FEB 2004)
     FILE 'CAPLUS' ENTERED AT 08:55:02 ON 13 FEB 2004
           283 S (FOOTWEAR OR FOOT WEAR OR FOOT-WEAR) (L) UPPER
L1
          30840 S NONWOVEN OR NON-WOVEN OR UNWOVEN OR UN-WOVEN
L2
          32855 S COATING(L) (POLYURETHANE OR POLYVINYL CHLORIDE OR POLY VINYL C
L3
          98421 S LAMINATE
T.4
=> s 12 and 13 and 14
L5 151 L2 AND L3 AND L4
\Rightarrow s 11 and 15
            2 L1 AND L5
L6
=> d 16 1-2 bib, abs
     ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
     2002:31947 CAPLUS
AN
DN
     136:87203
     Two-in-one shoe components
TI
     O'Hare, Kieran
IN
PΑ
     U.S. Pat. Appl. Publ., 3 pp.
SO
     CODEN: USXXCO
DT
     Patent
    English
LA
FAN.CNT 1
     PATENT NO. KIND DATE
                                         APPLICATION NO. DATE
     _____
                                          ______
                                                           20010702
     US 2002004345 A1 20020110
                                         US 2001-681973
PΙ
                     A2
                                         WO 2001-US21252 20010705
     WO 2002004740
                           20020117
                   A3 20020613
     WO 2002004740
         W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
             HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
             LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
             SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU,
             ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
                                        AU 2001-73182 20010705
EP 2001-952429 20010705
                    A5 20020121
A2 20030409
     AU 2001073182
     EP 1299593
         R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
                                          BR 2001-12316 20010705
     BR 2001012316 A 20030610
                     P
                           20000706
PRAI US 2000-216098P
     US 2001-681973 A 20010702
     WO 2001-US21252 W 20010705
```

1044853 CHLORIDE

```
a thermally point-bonded nonwoven base fabric and a
     coating of polyurethane or polyvinyl
     chloride on ≥1 surface of the base fabric, wherein the
     upper functions addnl. as a lining for the footwear.
    ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
L6
     1983:596322 CAPLUS
AN
     99:196322
DN
TI
     Flexible, flat, laminates with a fiber base
     Foltan, Ivan; Benkovic, Ivan; Schaffer, Ludovit; Duracka, Miroslav;
TN
     Kurtan, Geza
PA
     Czech.
     Czech., 3 pp.
SO
     CODEN: CZXXA9
DT
     Patent
LA
     Slovak
FAN.CNT 1
                                         APPLICATION NO. DATE
                    KIND DATE
     PATENT NO.
                           _____
                                          _____
     _____ ___
                                          CS 1977-6899
                                                           19771024
     CS 197673
                           19800530
                     В
PΤ
PRAI CS 1977-6899
                           19771024
    Material for footwear uppers and linings with a
     brilliant multicolor pattern is obtained from a fibrous layer, containing
     60-70% polyester fibers and bonded with 30-60% latex of nitrile rubber,
    polyacrylate, or polyurethane, which was patterned by
     sublimation printing and coating with an 0.1-0.7-mm transparent
     layer of PVC [9002-86-2], nitrile rubber, polyamide, or a
    polyurethane-PVC mixture Thus, a needle-punched nonwoven
     fabric containing polyester 70, polypropylene 10, and viscose fibers 20% (300
     q/m2) was impregnated with 50% nitrile rubber, split, ground on one side,
     sublimation-printed at 190-210° from a paper matrix, coated with a
     transparent PV paste, and gelled at 120 and 170°.
=> d his
     (FILE 'HOME' ENTERED AT 08:52:50 ON 13 FEB 2004)
     FILE 'CAPLUS' ENTERED AT 08:55:02 ON 13 FEB 2004
           283 S (FOOTWEAR OR FOOT WEAR OR FOOT-WEAR) (L) UPPER
L1
          30840 S NONWOVEN OR NON-WOVEN OR UNWOVEN OR UN-WOVEN
L2
         32855 S COATING(L) (POLYURETHANE OR POLYVINYL CHLORIDE OR POLY VINYL C
L3
         98421 S LAMINATE
L4
            151 S L2 AND L3 AND L4
L5
              2 S L1 AND L5
L6
=> s nylon 6 or nylon 66 or blends
         73462 NYLON
         1985 NYLONS
         73832 NYLON
                 (NYLON OR NYLONS)
       3378729 6
         25097 NYLON 6
                 (NYLON(W)6)
         73462 NYLON
         1985 NYLONS
         73832 NYLON
                 (NYLON OR NYLONS)
        183465 66
        12460 NYLON 66
                 (NYLON(W)66)
        132810 BLENDS
        159317 NYLON 6 OR NYLON 66 OR BLENDS
L7
```

A footwear upper is made from a laminate of

AB

```
(FILE 'HOME' ENTERED AT 08:52:50 ON 13 FEB 2004)
     FILE 'CAPLUS' ENTERED AT 08:55:02 ON 13 FEB 2004
            283 S (FOOTWEAR OR FOOT WEAR OR FOOT-WEAR) (L) UPPER
L1
          30840 S NONWOVEN OR NON-WOVEN OR UNWOVEN OR UN-WOVEN
L2
          32855 S COATING(L) (POLYURETHANE OR POLYVINYL CHLORIDE OR POLY VINYL C
L3
          98421 S LAMINATE
L4
            151 S L2 AND L3 AND L4
L5
              2 S L1 AND L5
L6
         159317 S NYLON 6 OR NYLON 66 OR BLENDS
L7
=> s 12 and 17 and 14
          590 L2 AND L7 AND L4
=> s 11 and 18
             0 L1 AND L8
\Rightarrow s 12 and 13 and 17
          145 L2 AND L3 AND L7
=> s 110 and 11
L11
           0 L10 AND L1
=> s footwear upper
          2507 FOOTWEAR
             2 FOOTWEARS
          2508 FOOTWEAR
                 (FOOTWEAR OR FOOTWEARS)
        235258 UPPER
          1177 UPPERS
        235893 UPPER
                 (UPPER OR UPPERS)
           143 FOOTWEAR UPPER
L12
                 (FOOTWEAR (W) UPPER)
=> s 110 and 112
L13
             0 L10 AND L12
=> s lining
         39031 LINING
         23943 LININGS
         46715 LINING
                  (LINING OR LININGS)
=> d his
     (FILE 'HOME' ENTERED AT 08:52:50 ON 13 FEB 2004)
     FILE 'CAPLUS' ENTERED AT 08:55:02 ON 13 FEB 2004
            283 S (FOOTWEAR OR FOOT WEAR OR FOOT-WEAR) (L) UPPER
L1
L2
          30840 S NONWOVEN OR NON-WOVEN OR UNWOVEN OR UN-WOVEN
          32855 S COATING(L) (POLYURETHANE OR POLYVINYL CHLORIDE OR POLY VINYL C
L3
          98421 S LAMINATE
L4
            151 S L2 AND L3 AND L4
L5
              2 S L1 AND L5
L6
         159317 S NYLON 6 OR NYLON 66 OR BLENDS
L7
            590 S L2 AND L7 AND L4
^{L8}
              0 S L1 AND L8
Ь9
            145 S L2 AND L3 AND L7
L10
             0 S L10 AND L1
L11
```

143 S FOOTWEAR UPPER

L12

```
0 S L10 AND L12
L13
         46715 S LINING
L14
=> s 110 and 114
            5 L10 AND L14
L15
=> d 115 1-5 bib, abs
L15 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
    2003:653276 CAPLUS
AN
    139:198762
DN
    Physical treatment of nonwoven fabrics to reduce pilling
TТ
    Kalbe, Michael; Marg, Uwe
IN
    Carl Freudenberg K.-G., Germany
PA
    Eur. Pat. Appl., 10 pp.
SO
    CODEN: EPXXDW
DT
     Patent
    German
LA
FAN.CNT 1
                                       APPLICATION NO. DATE
    PATENT NO. KIND DATE
    ED 1220000
                                         -----
    EP 1336682 A2 20030820
EP 1336682 A3 20040102
                                        EP 2003-3393 20030214
PΙ
    EP 1336682
                    A3 20040102
        R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
                                    US 2003-368241 20030218
    US 2003221301 A1 20031204
PRAI DE 2002-10206840 A
                           20020218
    A method for avoiding or at least reducing pilling of nonwoven
    fabrics (fleece) made from unsplit and/or at least partially split
    microfibers and/or microfilaments of synthetic polymers and comprising at
    least one polyester component, at least one polyamide component and,
     optionally, at least one polyurethane component, the
    nonwoven fabrics being treated at least once by a phys. method.
    Phys. treatment can be thermal treatment, treatment with flame, dry hot
    air, water steam, calendering, coating, and screen printing.
    The treated nonwovens can be used for production of textile
    coverings, banners, luggage container linings, and inner
    components of vehicles. Thus, a nonwoven fabric having surface
    weight of 115 g/m2 and comprising partially (85%) split microfilaments of
    polyamide 66 (30) and poly(ethylene terephthalate) (70%) was dyed using a
    dispersion dye and treated with flame of minimal intensity.
L15 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
    1997:510077 CAPLUS
AN
DN
    127:122935
    Bondable interlinings with improved bonding strength durability and
TΤ
    garments from them
IN
    Nakamura, Tatsuro; Yokoyama, Takahiro
PA
    Japan Vilene Co., Ltd., Japan
SO
    Jpn. Kokai Tokkyo Koho, 6 pp.
    CODEN: JKXXAF
DT
    Patent
    Japanese
LA
FAN.CNT 1
    PATENT NO. KIND DATE APPLICATION NO. DATE
                                         -----
    -----

    JP 09158055
    A2
    19970617

    JP 3184442
    B2
    20010709

                                       JP 1995-336024 19951129
PΙ
                    B2 20010709
PRAI JP 1995-336024
                          19951129
    The interlinings are prepared by coating fibrous sheets with
    compns. comprising adhesive polymers and 1-15% polyurethanes
    containing blocked isocyanate groups. A nonwoven fabric of nylon
    fibers was treated with a silicone waterproofing agent, screen printed
    with an aqueous paste containing 26.2 parts polyamide and 2.7 parts
```

NaHSO3-blocked

adipic acid-butylene glycol-hexamethylene diisocyanate block copolymer, and heat-treated 60 s at 100° to give a bondable interlining. The interlining and a wool fabric were together pressed for 10 s at 130° to give a bonded fabric with layer bonding strength  $\approx\!0.7$  kg/5 cm width and good bonding strength retention after 30 s under steam at 5 kg/cm2.

L15 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1991:609719 CAPLUS

DN 115:209719

TI Manufacture of linings for sound-insulating floor materials

IN Yagi, Keisuke

PA Sumitomo Bakelite Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	JP 03051379	A2	19910305	JP 1989-183722	19890718
	JP 06065788	B4	19940824		
PRAI	JP 1989-183722		19890718		

The title process involves coating stiff polyester fibers (2000-5000 denier) with a vinyl chloride (I) type resin containing 0-50 parts plasticizers and 100 parts reaction products (urethane ratio 30-60%) of isocyanates and polyol-containing I polymers, subjecting the coating to a shrinkage treatment, and forming mat-like materials. Kneading Dominus K550F 100, Ba-Zn stabilizer 3, and DOP 10 parts, melt coating the pellets onto stiff polyester fibers (3000 denier), subjecting to a shrinking treatment, forming a mat, sandwiching with nonwoven cloths, and lapping the sandwiched mat (8 mm) with a 2-mm rubber mat, a 2-mm plywood, a 2-mm paper cushion, and a 10-mm floor panel gave a 24-mm floor material (urethane content 60%) with sound insulation grade (Japan Construction Society) L-40.

L15 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1991:537772 CAPLUS

DN 115:137772

TI Manufacture of bending- and water-resistant sheets with sponge structure

IN Tanaka, Jiro; Taniguchi, Toshiro

PA Kuraray Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF
DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
ΡI	JP 02264082	A2	19901026	JP 1989-82102	19890331
	JP 2801253	B2	19980921		
PRAI	JP 1989-82102		19890331		

The title process comprises impregnating and/or coating onto a fabric substrate a composition of polyurethane elastomer, a polyether-modified silicone oil, a polyoxyethylene-polyoxypropylene block copolymer, and a solvent and coagulating in a nonsolvent, where the polyurethane elastomer is the reaction product of an organic diisocyanate, a chain extender, and a polyester diol prepared using mainly 1.9-nonanediol (I) and/or 2-methyl-1,8-octanediol (II) as the diol component. Reacting 1:6:5 mol I-II-adipic acid copolymer diol, 4,4'-MDI, and 1,4-butanediol, diluting the elastomer with DMF to 13% solution, and mixing with 60% (based on the elastomer) 1/2 Crisvon Asistor SD7 and Crisvon Asistor SD14 gave an elastomer composition Soaking a 60/40 nylon 6-polyethylene nonwoven cloth in the composition, coagulating

the **nonwoven** cloth in 30% aqueous DMF, removing the polyethylene component by treating in hot PhMe, drying, puffing, and dyeing gave a suedelike sheet with uniform sponge structure.

- L15 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN
- AN 1973:137526 CAPLUS
- DN 78:137526
- TI Production of leather substitutes for shoes by lamination
- AU Szumarowska, Bogumila; Zelenski, Piotr; Supera, Anna
- CS Zakl. Badan Chem., Inst. Przem. Skorzanego, Lodz, Pol.
- SO Prace Instytutu Przemyslu Skorzanego (1972), 16, 227-39 CODEN: PIPSAC; ISSN: 0509-6790
- DT Journal
- LA Polish
- AB Exptl. leather substitutes were made by coating nonwoven fabrics or (for comparison) cotton with microporous polyurethane film. The nonwoven fabrics consisted of 2 layers: porous inner lining of fine fibers (polyester, casein-based, collagen, polypropylene, polyamide, or their blends) bonded with a flexible resin and a supporting middle layer made of coarse, strong fiber or cotton. None of the laminates tested had sufficient flexural strength or satisfactory appearance, but the moisture sorption-desorption characteristics surpassed Corfam.